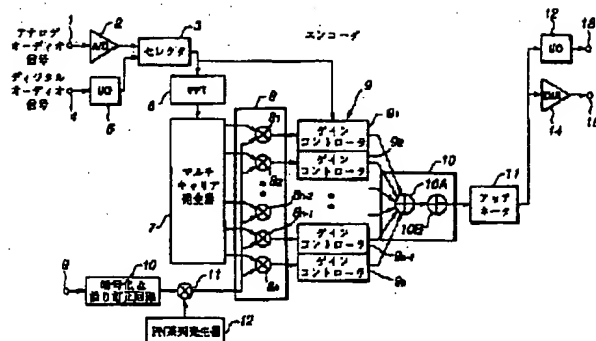


Patent Abstracts of Japan

APPLICATION DATE : 01-10-97
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INVENTOR : SATO HIDEO;

TITLE : VOICE INFORMATION TRANSMITTING
DEVICE AND METHOD AND VOICE
INFORMATION RECEIVING DEVICE
AND METHOD AND RECORD MEDIUM



SOLUTION: The audio data changed over with a selector 3 are inputted to a fast Fourier transformation part FFT 6 and envelopes are detected. A multicarrier generator 7 plurally generates PSK carriers whose center frequencies are different based on these information. Besides, additional information to be embedded are supplied from a data input terminal 9 to a ciphering and error processing circuit 10. The processed signal is primarily modulated by the pseudo random signal from a PN system generator 12 in a multiplier 11 to be inputted to respective multipliers 8₁-8_n of a multiplier 8. Then, 1-N kinds of carriers from the multicarrier generator for multi-PSK 7 are inputted to the multiplier 8 and a secondary modulation by PSKs is applied to the processed signal.

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